

FIG. 1
(Prior Art)

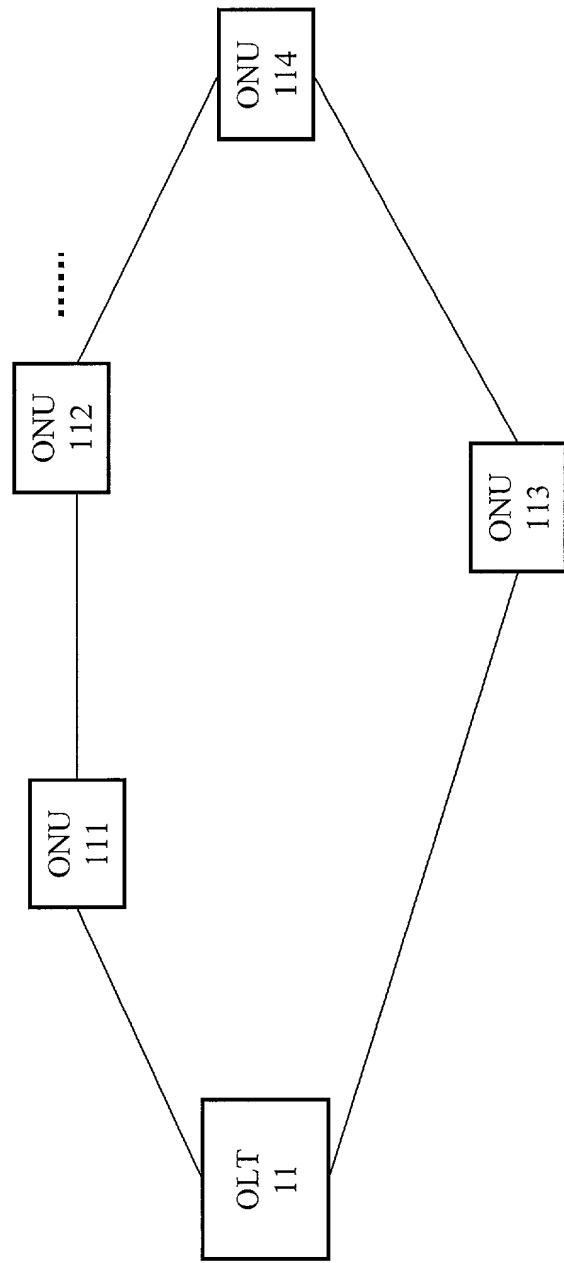


FIG. 2
(Prior Art)

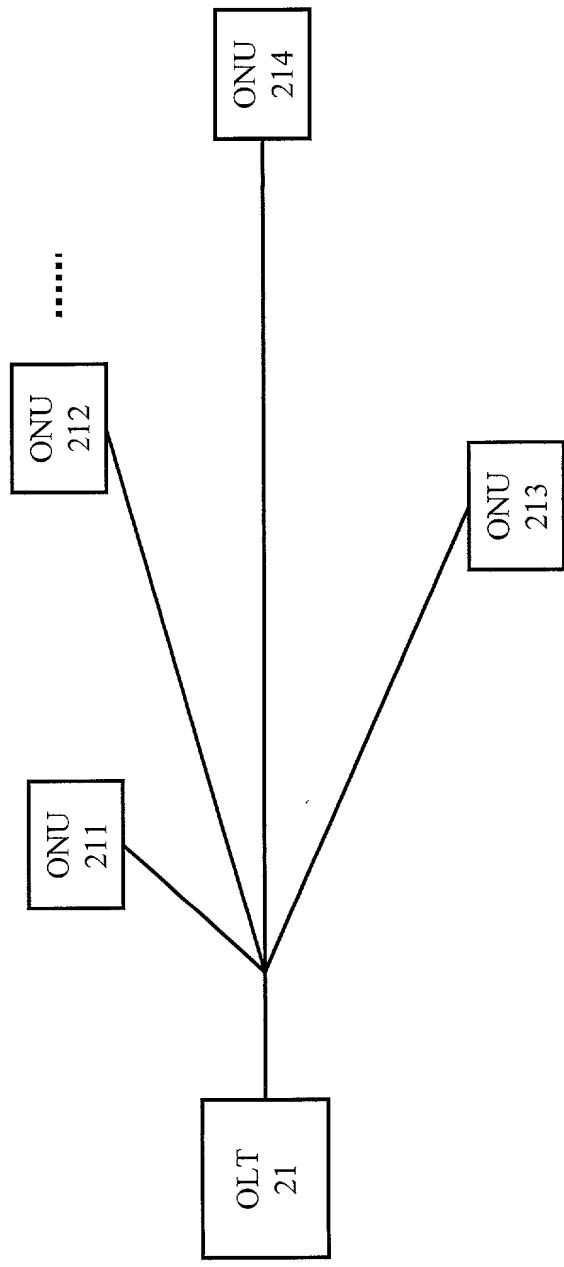


FIG. 3
(Prior Art)

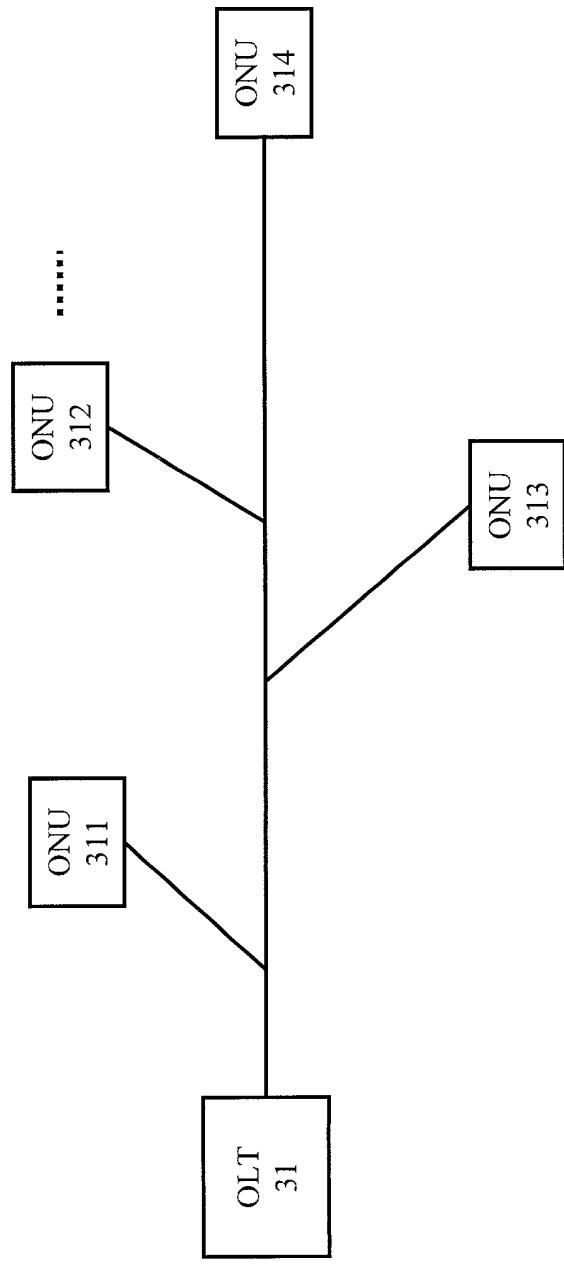


FIG. 4

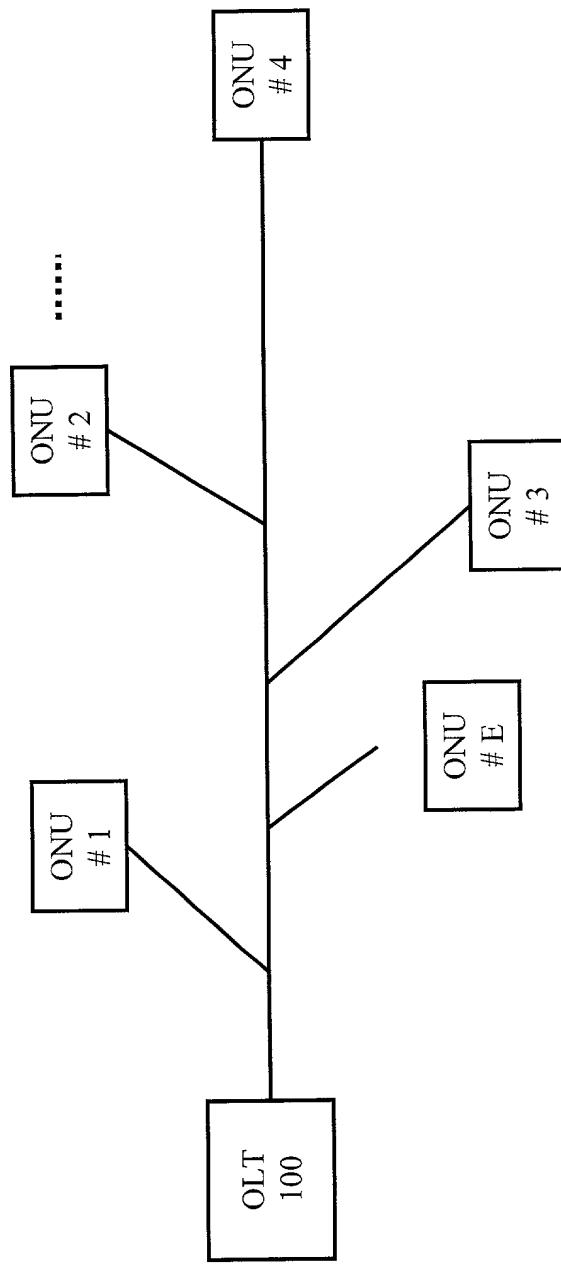
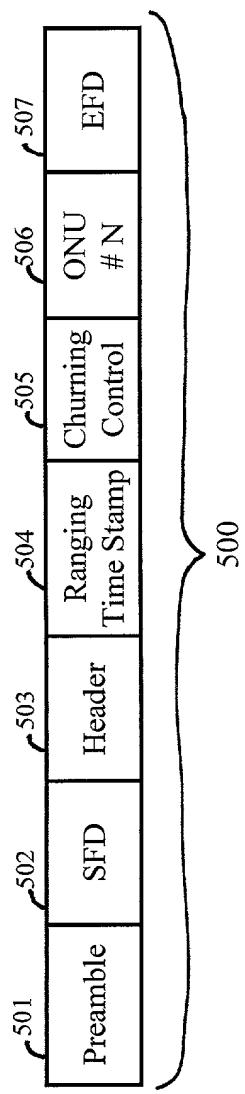


FIG. 5



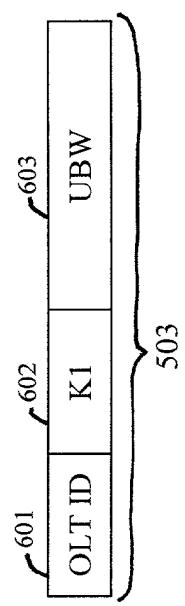


FIG. 6

FIG. 7

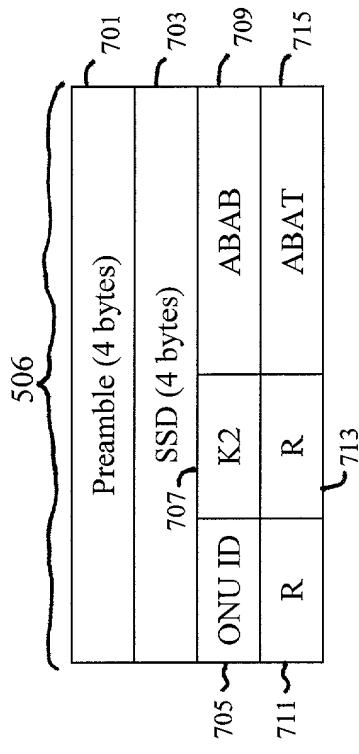


FIG. 8

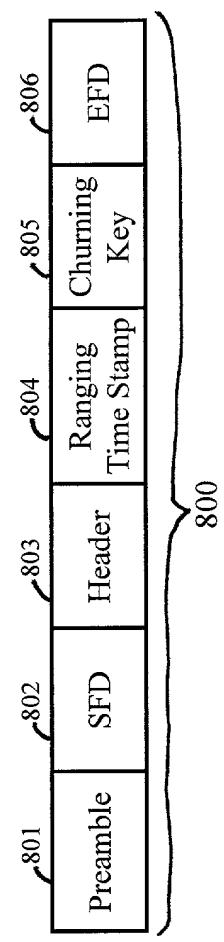


FIG. 9

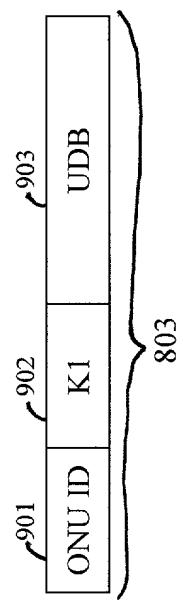


FIG. 10

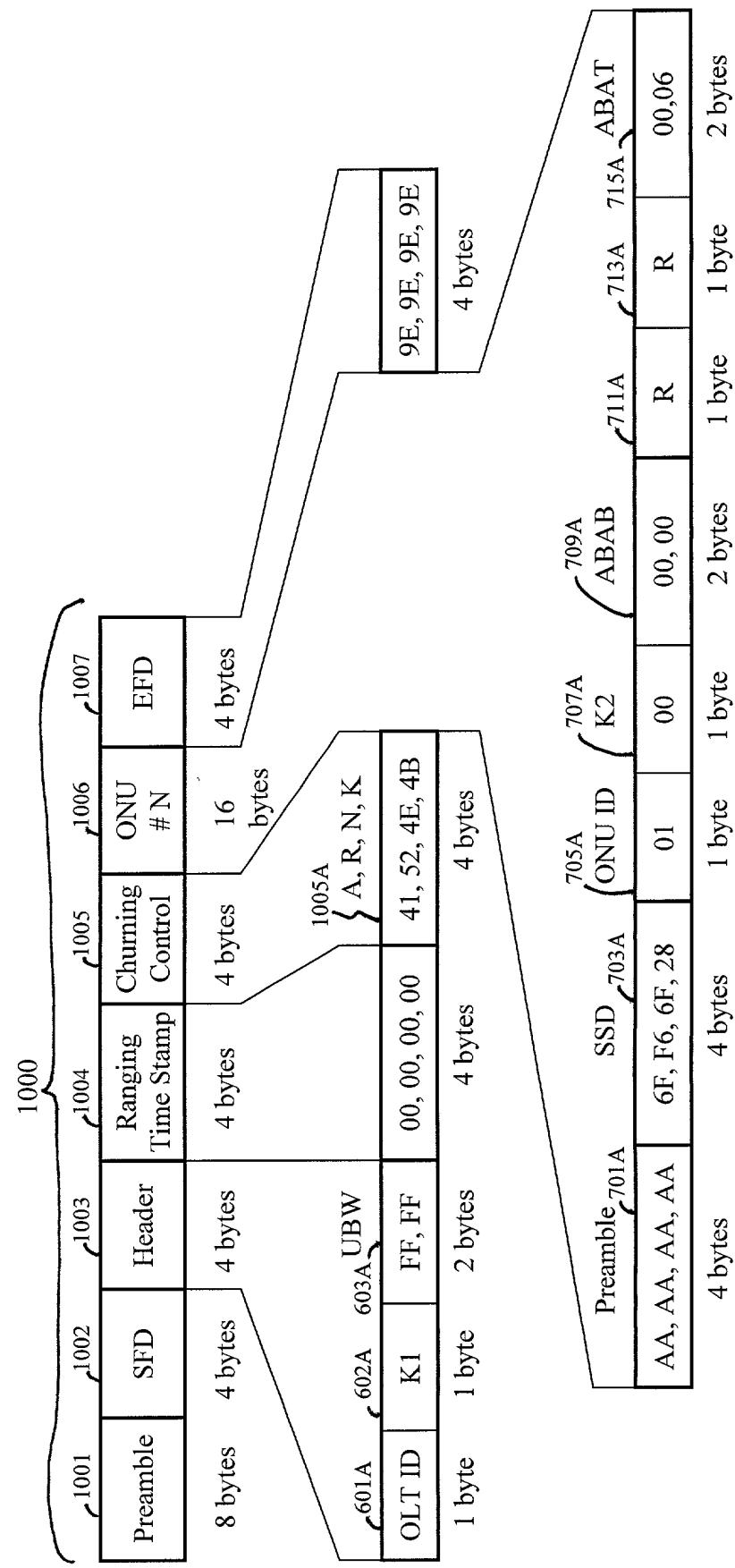


FIG. 11

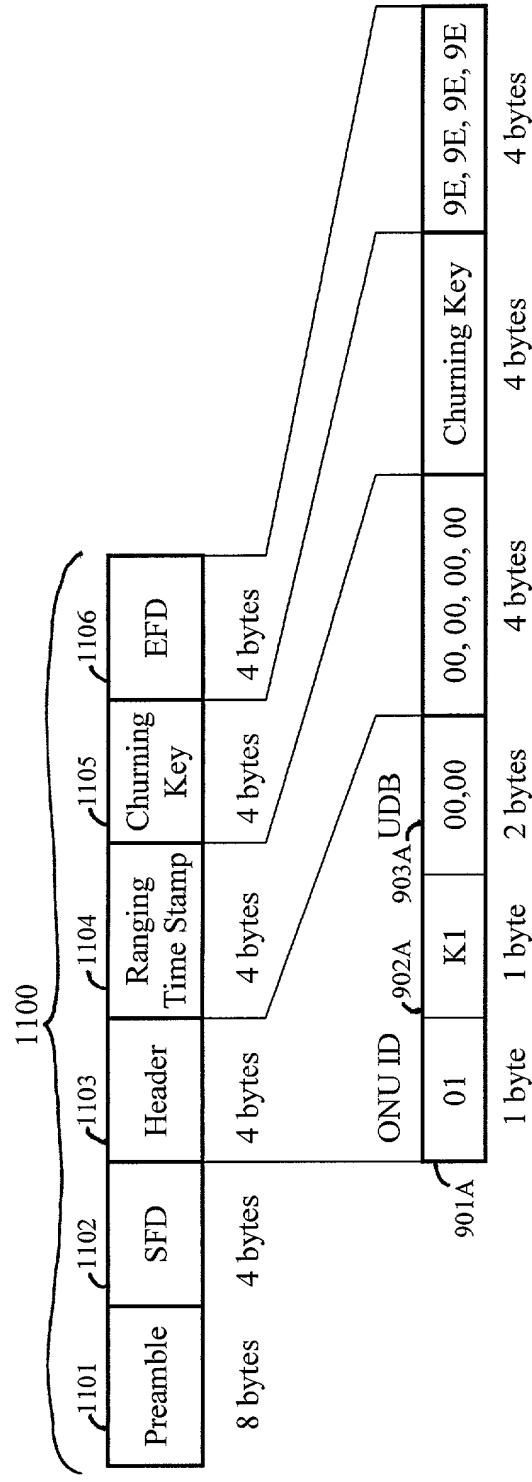


FIG. 12

Round Trip Time	ONU # 1	ONU # 2	ONU # 3	ONU # 4
One Way Trip Time	01,2D	01,86	01,50	02,4E
	00,96	00,C3	00,A8	01,27

FIG. 13

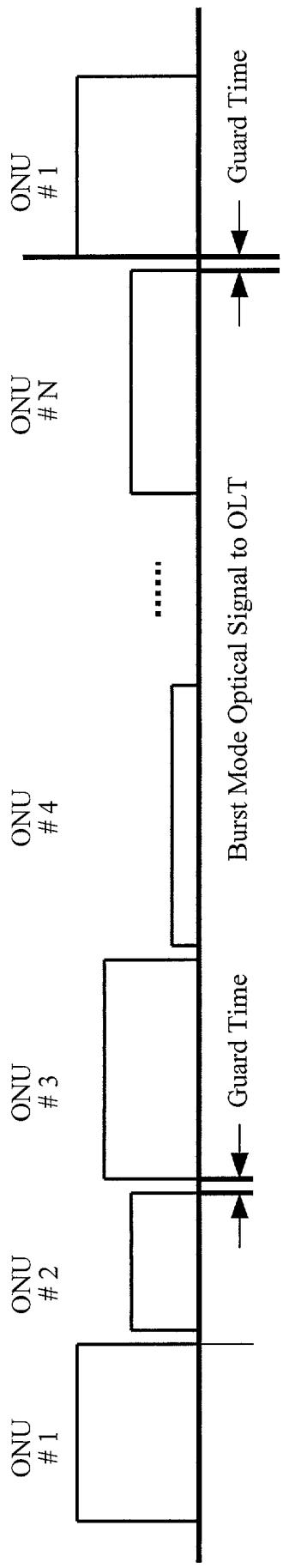


FIG. 14

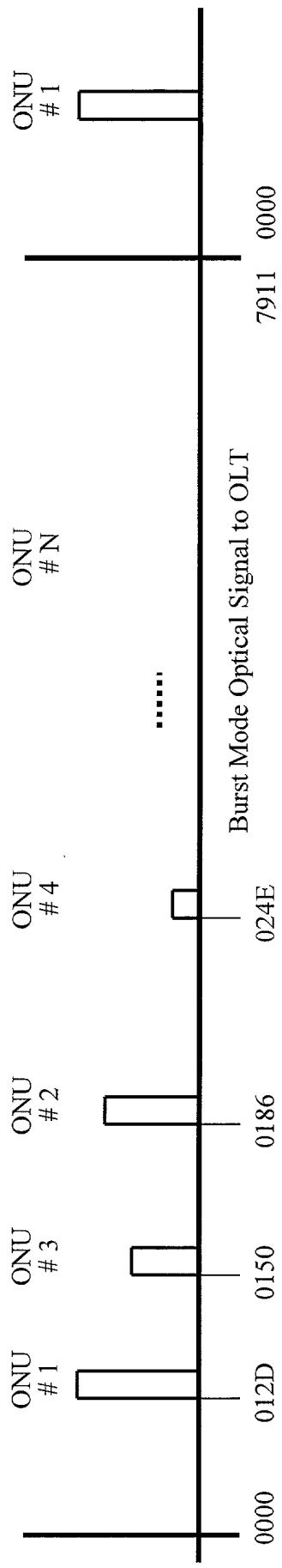


FIG. 15

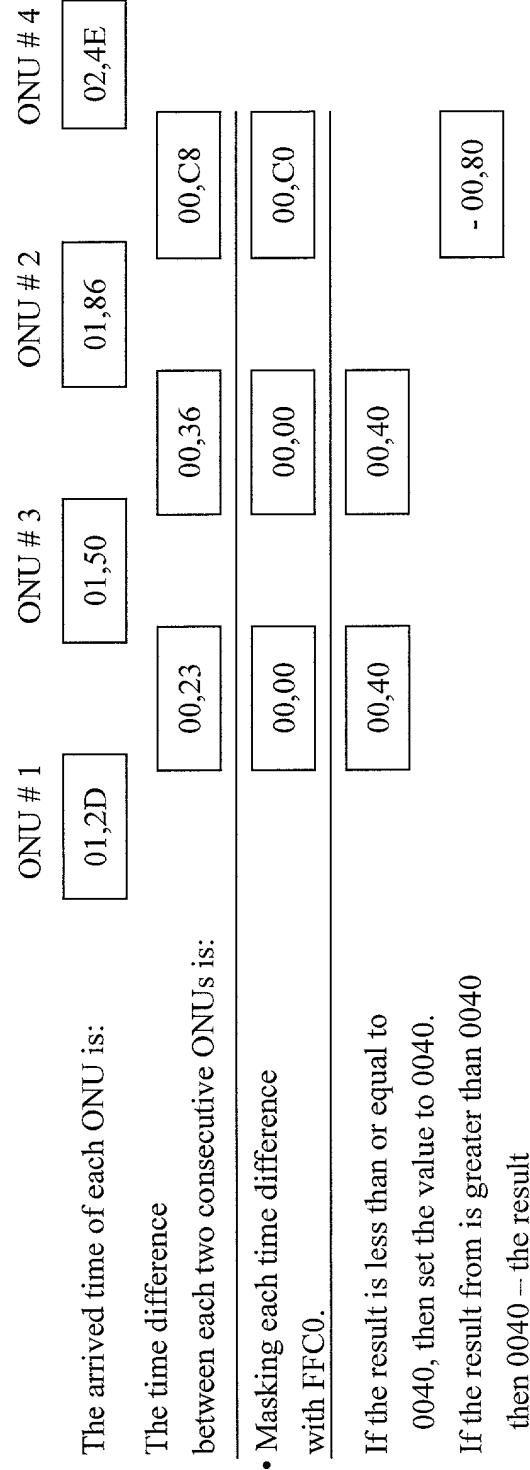


FIG. 16

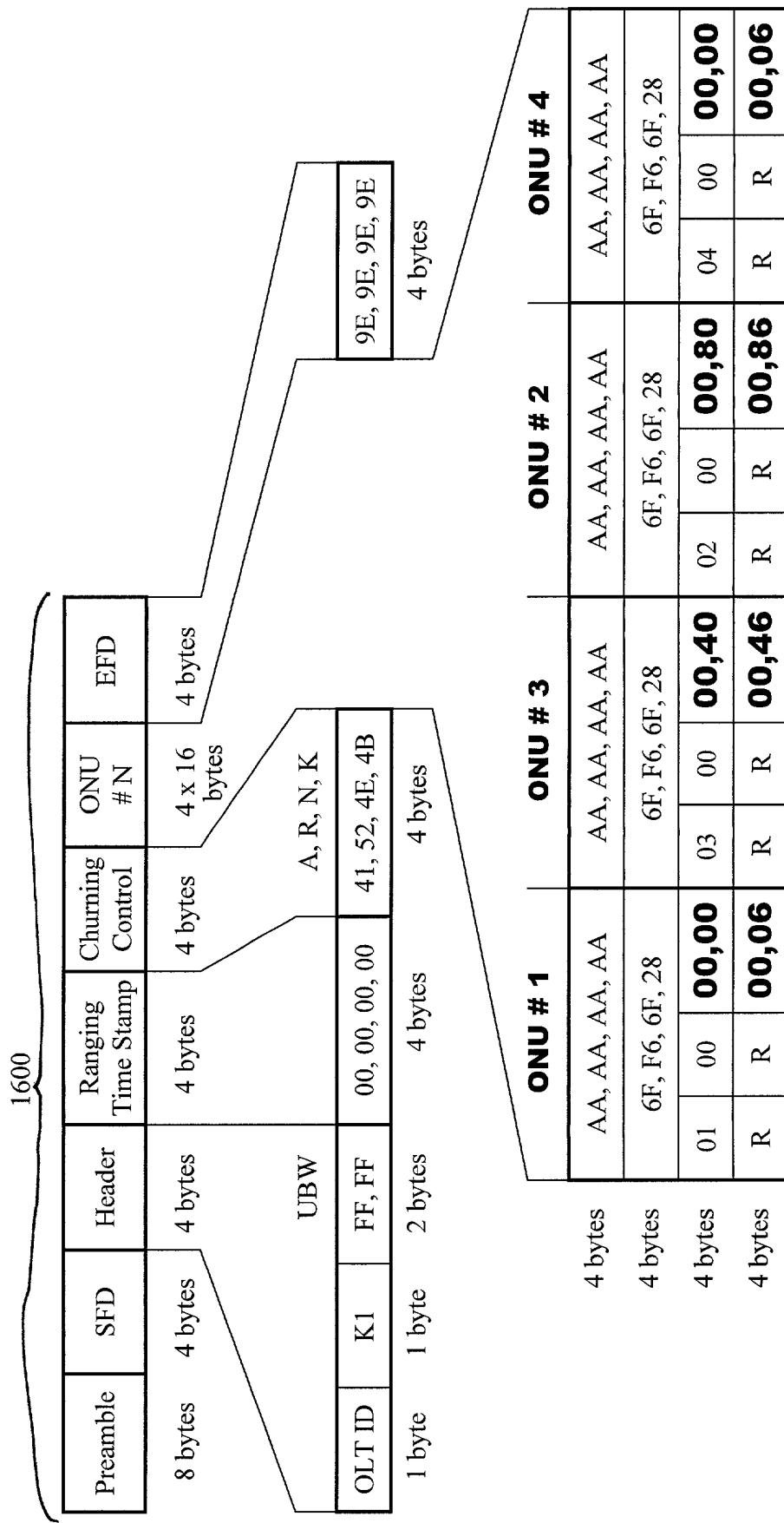


FIG. 17

Assume that

The arrived time of each ONU is:

ONU # 1		ONU # 3		ONU # 2		ONU # 4	
Begin	End	Begin	End	Begin	End	Begin	End
01,2D	01,33	01,90	01,96	02,06	02,0C	02,4E	02,54
00,5D	00,70	00,70	00,42				

The time difference
between each two consecutive ONU is:

FIG. 18

Suppose that the ABAB and
ABAT of each ONU is:

ONU # 1	ONU # 3	ONU # 2	ONU # 4
ABAB	ABAT	ABAB	ABAB
00,00	07,00	07,40	10,40

Assume that
The arrived time of each ONU is:

ONU # 1	ONU # 3	ONU # 2	ONU # 4
Begin	End	Begin	End
01,2D	08,2D	08,90	11,90

The time difference
between each two consecutive ONU is:

00,63	00,76	00,48
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FIG. 19

ONU # E	ONU # 1		ONU # 3		ONU # 2		ONU # 4	
ABAB	ABAB	ABAT	ABAB	ABAT	ABAB	ABAT	ABAB	ABAT
00,00	00,06	35,00	3C,00	45,40	45,80	55,C0	55,40	67,80

FIG. 20

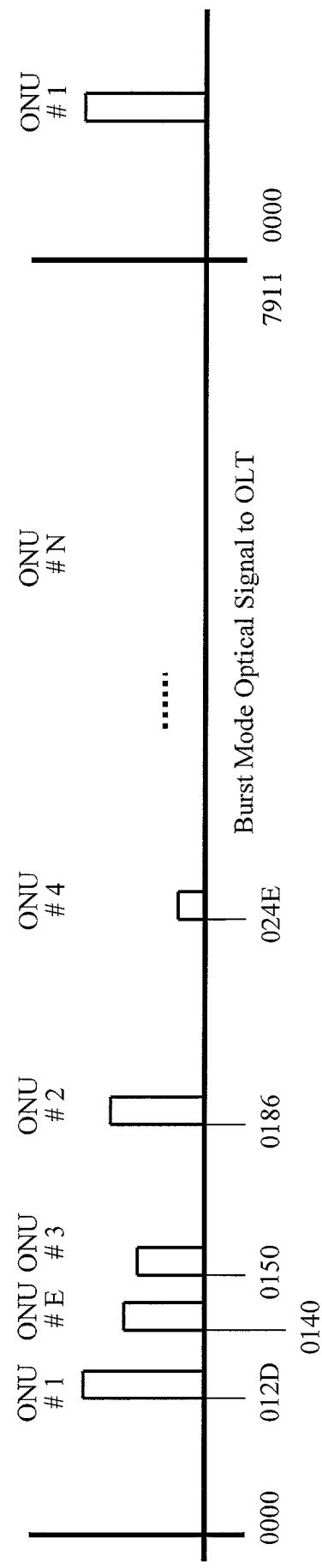


FIG. 21

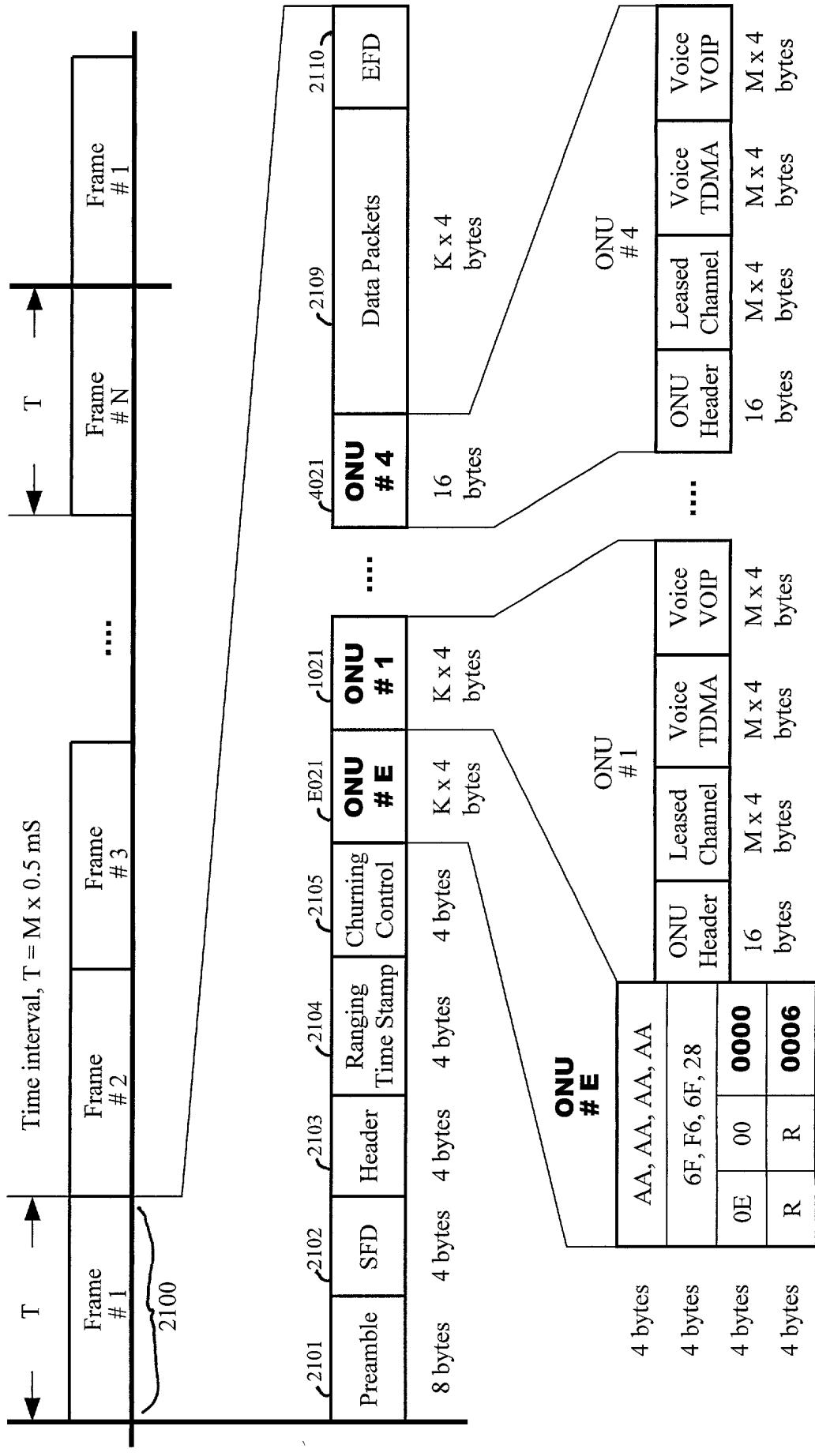


FIG. 22

ONU # 1	ONU # E	ONU # 3	ONU # 2	ONU # 4
01,2D	01,40	01,50	01,86	02,4E
	00,13	00,10	00,36	00,C8
	00,00	00,00	00,00	00,C0
	00,40	00,40	00,40	- 00,80

The arrived time of each ONU is:

The time difference between each two consecutive ONU is:

- Masking each time difference with FFC0.

If the result is less than or equal to 0040, then set the value to 0040.

If the result is greater than 0040 then 0040 – the result

FIG. 23

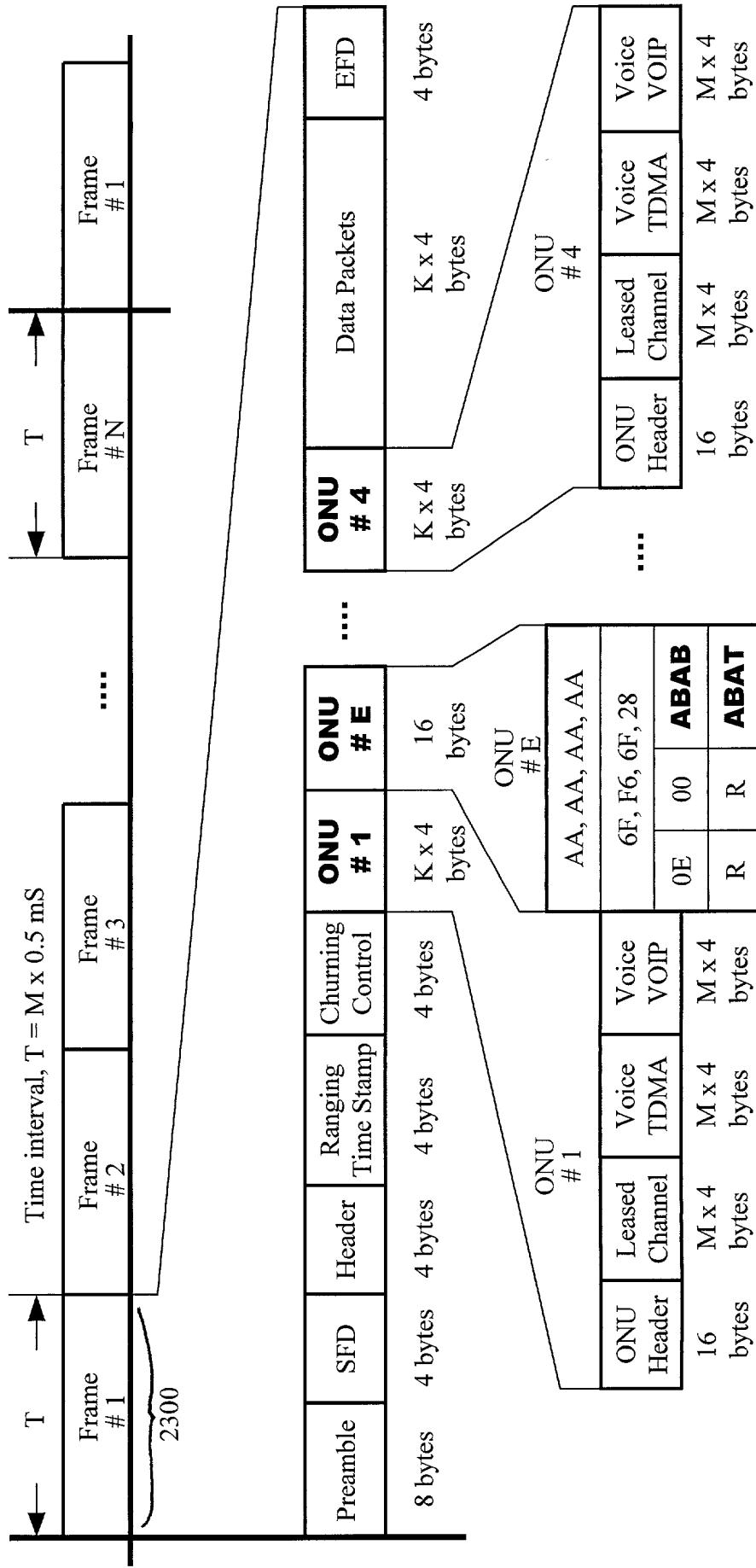


FIG. 24

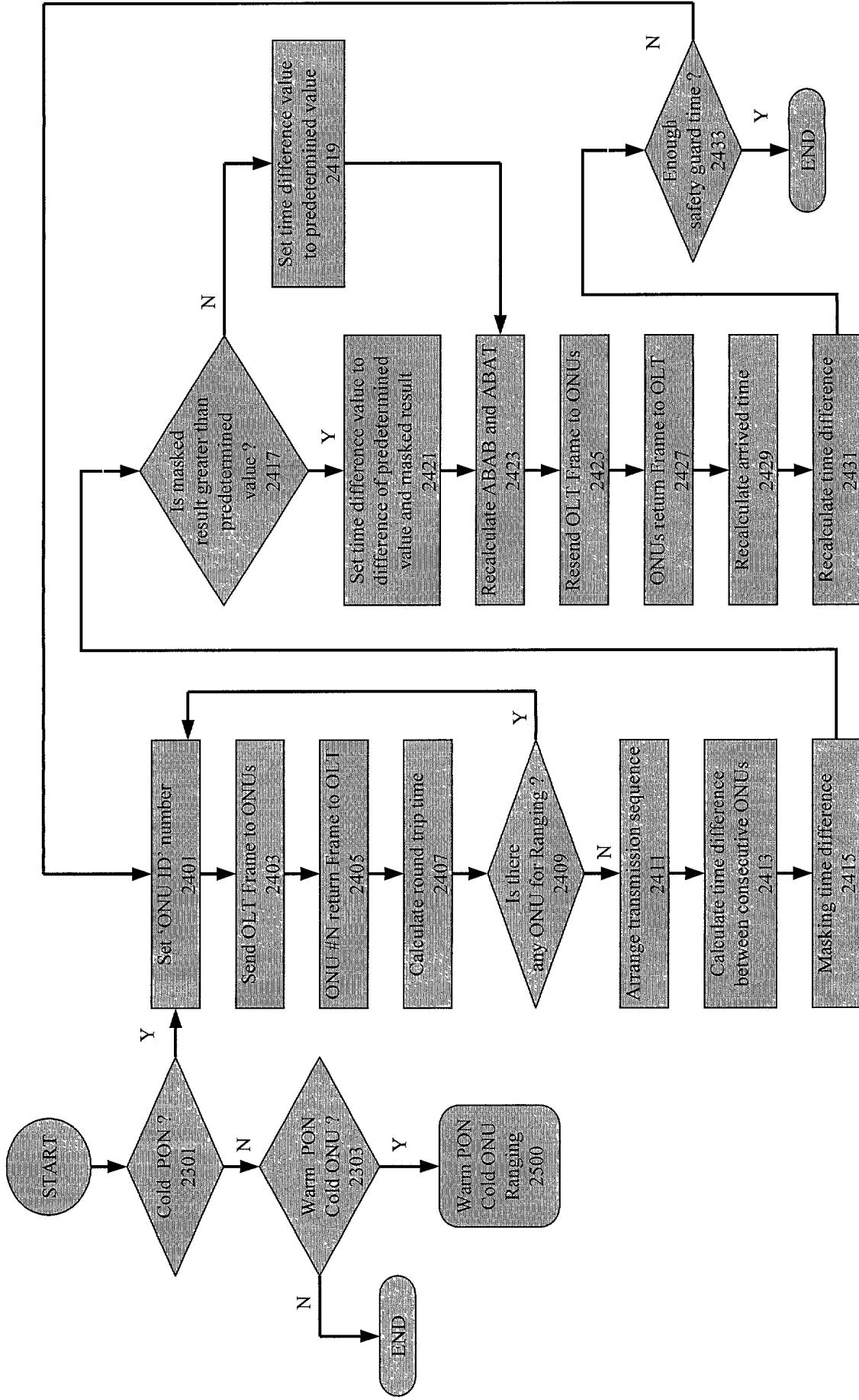


FIG. 25

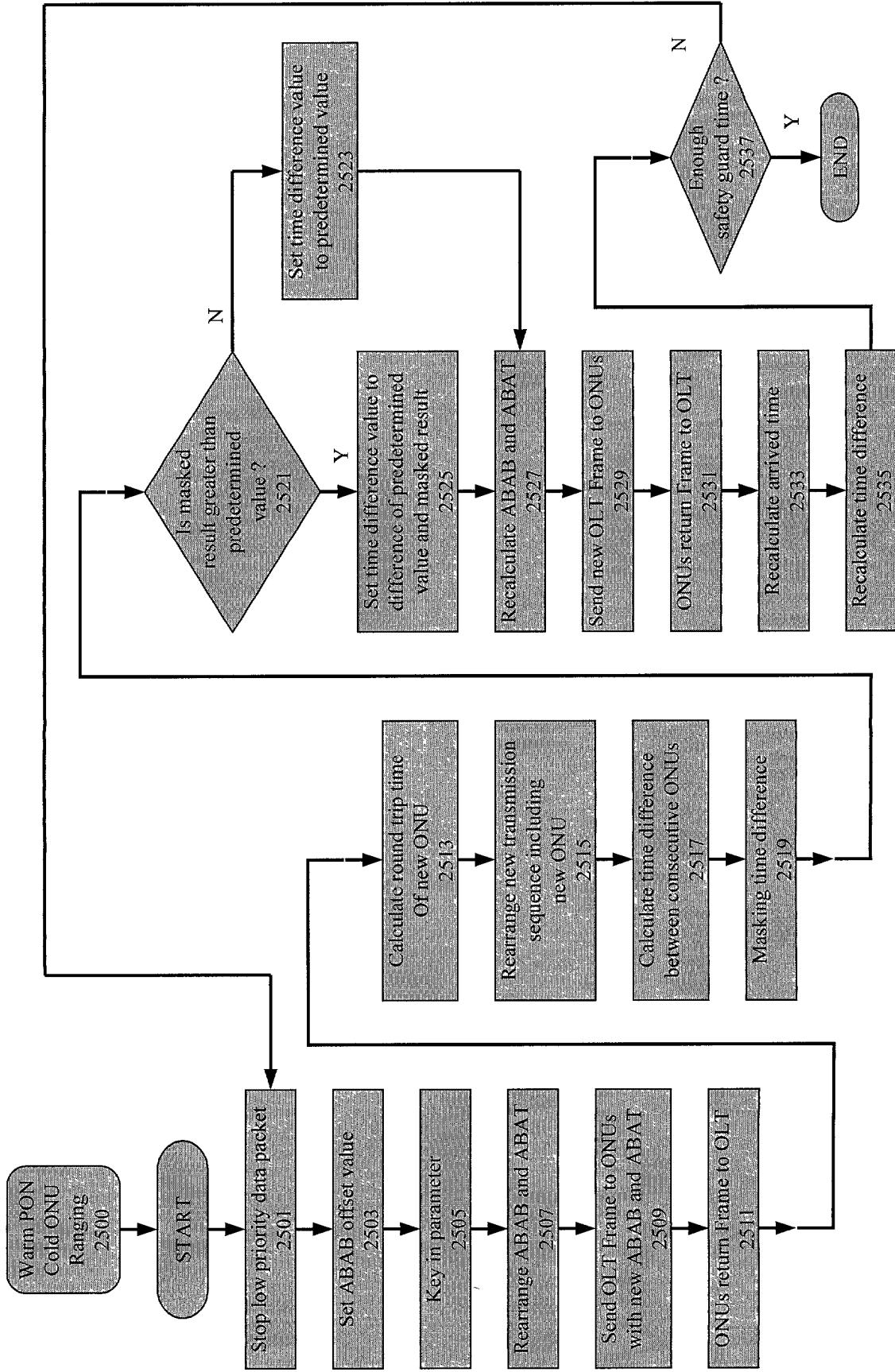


FIG. 26

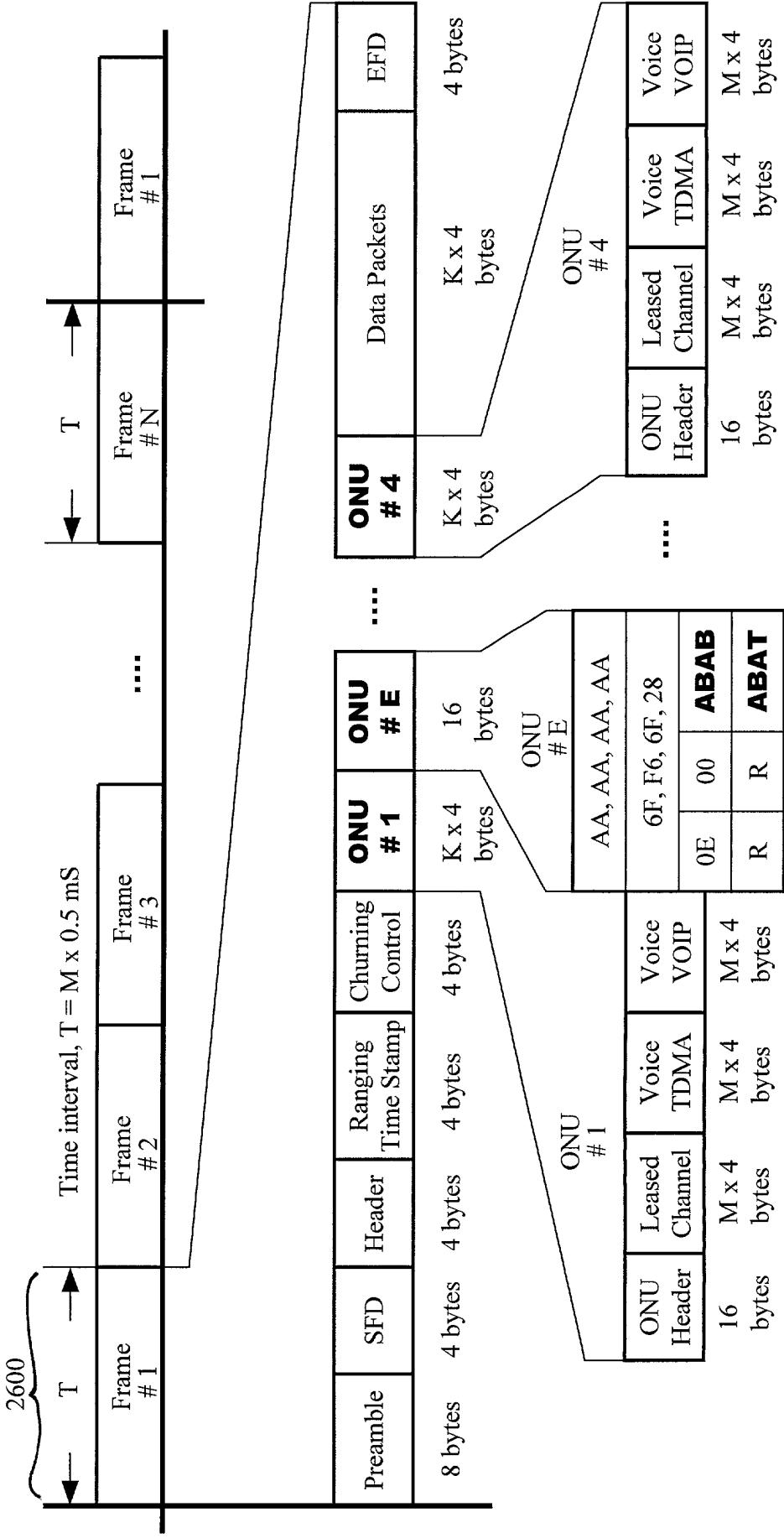


FIG. 27

Assume that

The arrived time of each ONU is:

ONU # 1		ONU # E		ONU # 3		ONU # 2		ONU # 4	
Begin	End								
01,2D	08,2D	08,80	08,86	08,D0	11,D0	12,46	22,86	22,CE	35,0E

The time difference
between each two consecutive ONU is:

ONU # 1	ONU # E	ONU # 3	ONU # 2	ONU # 4
00,53	00,4A	00,76	00,48	